



Aluminum honeycomb is one of the most widely used core materials in the aerospace industry. Many combinations of core densities and face materials enable the designer to specify panels to meet a wide variety of requirements.

Geneerco #3, Type 88

Geneerco #3, Type 88, consists of an aluminum honeycomb core sandwiched between a lightweight aluminum face and a sturdy aluminum back. Geneerco #3, Type 88, offers light weight, high performance, flame resistance, impact resistance and cost

effectiveness in one bonded sandwich panel. Although designed for use in flooring applications, these qualities make it suitable for use in a wide range of applications. Fatigue testing indicates a long service life can be expected.

Geneerco Structures are available for many applications and installations that require quality products at a competitive cost. Please contact General Veneer Manufacturing Co. for more information regarding other available panel types.

As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.

General Veneer Manufacturing Co. has been supplying lightweight parts and raw materials to the Aircraft and Aerospace Industry for over 50 years.

General Veneer Manufacturing Co.
8652 Otis Street • P.O. Box 1607 • South Gate, California 90280 • U.S.A. • (323) 564-2661
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Geneerco #3, Type 88

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	
Geneerco Composites #3	Type 88	Unit
Nominal Weight	1.94	p.s.f.
Overall Thickness	0.400	in.
Top Skin Thickness	0.020	in.
Bottom Skin Thickness	0.080	in.
Top Skin Alloy	7075 T6 (Bare)	n/a
Bottom Skin Alloy	7075 T6 (Bare)	n/a
Nominal Core Density	6.1	p.c.f.
Core Alloy	5052	n/a
Nominal Core Cell Size	1/8	in.
Nominal Core Foil Thickness	0.0015	in.
Length • Nominal 96", 120", 144"	144	in.
Width • Nominal 48", 60", 72"	48	in.

Panels are available in other thicknesses, widths, lengths and core densities per customer request. Some widths may require skin splices.

Panel Strength • Test Method	Typical Values	
Geneerco Composites #3	Type 88	Unit
Flatwise Tensile • MIL-STD-401	600	p.s.i.
Stabilized Compression • MIL-STD-401	650	p.s.i.
Climbing Drum Peel • Standard Condition	30	in.-lb./3-in. width
Flame Time • FAR 25.853 (60 Second Vertical)	15	sec.
Burn Length • FAR 25.853 (60 Second Vertical)	6	in.
Drip Flaming Time • FAR 25.853 (60 Second Vertical)	3	sec.
Flame Penetration • FAR 25.853 (45 Degree)	none	N/A
Flame Time • FAR 25.853 (45 Degree)	15	sec.
Glow Time • FAR 25.853 (45 Degree)	10	sec.

Values listed represent theoretical averages to be expected. Prospective users should evaluate the material to determine if material is suitable for the users' specific requirements. User assumes all risk and responsibilities for any loss or damage caused by or resulting from the use of any information contained within this product bulletin.

Typical values listed are for adhesive bond failure using standard structural analysis. In the event of core or metal failure, the adhesive bond test shall be considered satisfactory.

Ref. Precision Conversions Drawing 007F9403. Fabricated per GVP-F-A300; tested per LAC C-28-846 Type I.



Need a part, not just a raw panel? General Veneer Manufacturing Co. can machine, drill, fill, prime, paint and add hardware to your product. We are a fully automatable shop, with 3 large CNC routers and a team of specialists for delicate custom work. Our finished parts fly daily and are launched into space on a regular basis.

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